

AMENDMENTS TO THE CLAIMS

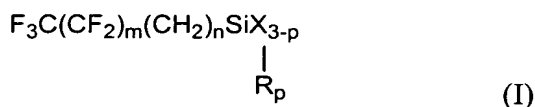
This listing of claims will replace all prior versions, and listings of claims in the application:

1. (Currently Amended) A substrate, comprising:
a relief~~[[,]]~~;
wherein said relief ~~defines~~ consists of a low surface level and a high surface level,
said low surface level and said high surface level being separated by a height not less than 1/10 of the dimensions of a plurality of motifs forming said high level, and
said high surface level representing 1 to 65% of a surface of the substrate.

2. (Previously Presented) The substrate according to claim 1, wherein said substrate is hydrophobic/oleophobic and further comprises an agent chosen from the group consisting of:

a) silicones, and

b) compounds corresponding to the formulas:



and



where $m = 0$ to 15;

$n = 1$ to 5;

$p = 0, 1$ or 2;

R is a linear or branched alkyl group or a hydrogen atom;

X is a hydrolyzable group such as a halogeno, alkoxy, acetoxy, acyloxy, amino, or a NCO group; and

$p' = 0, 1, 2$ or 3 .

3. (Previously Presented) The substrate according to claim 1, wherein said substrate is hydrophilic/oleophilic.

4. (Previously Presented) The substrate according to claim 1, wherein said height ranges between 0.01 and 10 micrometers.

5. (Previously Presented) The substrate according to claim 1, wherein a geometry of said relief does not display periodicity.

6. (Previously Presented) The substrate according to claim 1, wherein a geometry of said relief displays a periodicity.

7. (Previously Presented) The substrate according to claim 1, wherein said low surface level and said high surface level are connected to one another by means of at least one partition approximately perpendicular to a plane of the substrate.

8. (Previously Presented) The substrate according to claim 1, wherein said high surface level displays a continuity in at least one direction of a plane of the substrate.

9. (Previously Presented) The substrate according to claim 8, wherein said relief comprises a multiplicity of approximately identical parallelepipedal objects, said parallelepipedal objects parallel and uniformly spaced.

10. (Previously Presented) The substrate according to claim 1, wherein said high surface level does not display continuity in any direction of a plane of the substrate.

11. (Previously Presented) The substrate according to claim 1, wherein said relief comprises a multiplicity of approximately identical cylindrical craters uniformly distributed on the substrate, a multiplicity of axes of said craters approximately perpendicular to a plane of the substrate.

12. (Previously Presented) The substrate according to claim 1, wherein said relief comprises a discrete series of identical or different objects.

13. (Previously Presented) The substrate according to claim 12, wherein said discrete series of identical or different objects consists of a plurality of cylinders with axes approximately perpendicular to a plane of the substrate.

14. (Previously Presented) The substrate according to claim 13, wherein said relief comprises a multiplicity of approximately identical cylinders of revolution uniformly distributed on the substrate.

15. (Previously Presented) The substrate according to claim 1, wherein said relief is based on at least one compound of at least one of the elements selected from the group consisting of Si, W, Sb, Ti, Zr, Ta, V, Pb, Mg, Al, Mn, Co, Ni, Sn, Zn, In, a plastic and a plastic containing a filler, said compound optionally hardened by means of application of an energy source, or a thermoplastic, and wherein at least one underlying portion of the substrate is composed of a glass, a plastic or combination thereof.

16. (Previously Presented) A substrate according to claim 1, wherein said substrate is a conductor of electricity.

17. (Previously Presented) The substrate according to claim 1, wherein said substrate has anti- reflecting properties.

18. (Previously Presented) The substrate according to claim 1, wherein said substrate has anti- staining properties.

19. (Withdrawn) A process for formation of a substrate comprising a relief according to claim 1, said process comprising

- applying to a support surface a precursor of liquid to viscous consistency,
- molding a sol-gel from the precursor, then
- consolidating the precursor through evaporation of a solvent.

20. (Withdrawn) A process for formation of a substrate comprising a relief according to claim 1, said process comprising

- applying to a support surface a polymerizable and/or cross-linkable plastic,
- performing polymerization, cross-linking or a combination thereof of said plastic,

and

- separating a residual component.

21. (Withdrawn) A process for formation of a substrate comprising a relief according to claim 1, said process comprising

- forming a mask on a surface
- attacking a portion of said surface not protected by the mask, then -
optionally removing the mask.

22. (Withdrawn) A process for formation of a substrate comprising a relief according to claim 1, said process comprising causing a film forming said relief to adhere to a support surface.

23. (Withdrawn) The process according to claim 19, wherein a mold is formed, said mold capable of forming the substrate.

24. (Withdrawn) The process according to claim 19, wherein the substrate is formed.

25. (Withdrawn) The process according to claim 19, wherein a hydrophobic/oleophobic or hydrophilic/oleophilic agent is incorporated into said substrate comprising a relief.

26. (Withdrawn) The process according to claim 19, further comprising forming a hydrophobic/oleophobic or hydrophilic/oleophilic coating on said relief.

27. (Previously Presented) A glazing comprising a substrate according to claim 1.

28. (Currently Amended) ~~An application of a~~ A building trade or street furnishing,
comprising: the glazing according to claim 27 for the building trade or street furnishings.

29. (Currently Amended) ~~An application of a~~ An air, marine or land transportation vehicle, comprising: the glazing according to claim 27 ~~for an air, marine or land transportation vehicle.~~

30. (Currently Amended) ~~An application of a~~ A screen, a lamp or an electronic display, comprising: the glazing according to claim 27 ~~for a screen, a lamp or an electronic display.~~

31. (Currently Amended) ~~An application of a~~ A furnishing or household electrical appliance, comprising: the glazing according to claim 27 ~~for furnishings or household electrical appliances, for example as a refrigerator or other shelf, shower partition, refrigerator or oven door, display case, vitreous ceramic plate.~~

32. (Withdrawn) The process according to claim 20, wherein a mold is formed, said mold capable of forming said substrate.

33. (Withdrawn) The process according to claim 21, wherein a mold is formed, said mold capable of forming said substrate.

34. (Withdrawn) The process according to claim 22, wherein a mold is formed, said mold capable of forming said substrate.

35. (Withdrawn) The process according to claim 20, wherein the substrate is formed.

36. (Withdrawn) The process according to claim 21, wherein the substrate is formed.

37. (Withdrawn) The process according to claim 22, wherein the substrate is formed.

38. (Withdrawn) The process according to claim 20, wherein a hydrophobic/oleophobic or hydrophilic/oleophilic agent is incorporated into said substrate comprising a relief.

39. (Withdrawn) The process according to claim 21, wherein a hydrophobic/oleophobic or hydrophilic/oleophilic agent is incorporated into said substrate comprising a relief.

40. (Withdrawn) The process according to claim 22, wherein a hydrophobic/oleophobic or hydrophilic/oleophilic agent is incorporated into said substrate comprising a relief.

41. (Withdrawn) The process according to claim 23, wherein a hydrophobic/oleophobic or hydrophilic/oleophilic agent is incorporated into said substrate comprising a relief.

42. (Withdrawn) The process according to claim 32, wherein a hydrophobic/oleophobic or hydrophilic/oleophilic agent is incorporated into said substrate comprising a relief.

43. (Withdrawn) The process according to claim 33, wherein a hydrophobic/oleophobic or hydrophilic/oleophilic agent is incorporated into said substrate comprising a relief.

44. (Withdrawn) The process according to claim 34, wherein a hydrophobic/oleophobic or hydrophilic/oleophilic agent is incorporated into said substrate comprising a relief.

45. (Withdrawn) The process according to claim 20, further comprising forming a hydrophobic/oleophobic or hydrophilic/oleophilic coating on said relief.

46. (Withdrawn) The process according to claim 21, further comprising forming a hydrophobic/oleophobic or hydrophilic/oleophilic coating on said relief.

47. (Withdrawn) The process according to claim 22, further comprising forming a hydrophobic/oleophobic or hydrophilic/oleophilic coating on said relief.

48. (Withdrawn) The process according to claim 23, further comprising forming a hydrophobic/oleophobic or hydrophilic/oleophilic coating on said relief.

49. (Withdrawn) The process according to claim 32, further comprising forming a hydrophobic/oleophobic or hydrophilic/oleophilic coating on said relief.

50. (Withdrawn) The process according to claim 33, further comprising forming a hydrophobic/oleophobic or hydrophilic/oleophilic coating on said relief.

51. (Withdrawn) The process according to claim 34, further comprising forming a hydrophobic/oleophobic or hydrophilic/oleophilic coating on said relief.

52. (Withdrawn) The process as claimed in claim 19, wherein the precursor is consolidated with an energy source.

53. (Withdrawn) The process as claimed in claim 20, wherein the plastic contains a filler.

54. (Withdrawn) The process as claimed in claim 53, wherein the filler is a mineral filler.

55. (Withdrawn) The process as claimed in claim 20, wherein said residual component is a solvent.

56. (Withdrawn) The process as claimed in claim 20, wherein the precursor is consolidated with an energy source.

57. (Withdrawn) The process as claimed in claim 21, wherein the mask is formed by a technique selected from the group consisting of serigraphy, ink-jet printing, lithography, and engraving.

58. (Withdrawn) The process as claimed in claim 57, wherein the lithography is photolithography.

59. (Withdrawn) The process as claimed in claim 58, wherein the engraving is ionic reactive engraving.

60. (Withdrawn) The process as claimed in claim 21, wherein the surface is attacked by chemical means.

61. (New) The substrate according to claim 1, wherein said height ranges between 1 and 10 micrometers.

62. (New) The furnishing or household electrical appliance according to claim 31, which is a refrigerator, a shelf, a shower partition, a refrigerator door, an oven door, a display case, or a vitreous ceramic plate.

63. (New) An article, comprising:
the glazing according to Claim 27.

64. (New) A method of making the article according to claim 63, comprising:
applying the glazing to the article.

BASIS FOR THE AMENDMENT

The specification has been amended to include the appropriate headlines. The description of the drawings is supported at page 11, lines 1 and 2.

Claim 1 has been amended as supported by the Figures 1 to 3 and at page 11, lines 6-13 of the specification.

Claims 28-31 have been amended to better conform to U.S. claim format.

New Claim 61-64 have been added.

New Claim 61 has been added as supported at page 11, 1st paragraph, last sentence.

New Claim 62 is supported by Claim 31.

New Claims 63 and 64 are supported at page 10, second paragraph and by Claims 28-31 as originally filed.

No new matter is believed to have been added by entry of this amendment. Entry and favorable reconsideration are respectfully requested.

Upon entry of this amendment Claims 1-63 will now be active in this application. Claims 19-26 and 32-60 stand withdrawn from consideration as being drawn to non-elected subject matter.

INTERVIEW SUMMARY

Applicants wish to thank Examiner Chevalier for the helpful and courteous discussion with Applicants' Representative on February 26, 2004. During this discussion it was noted that Azzopardi et al use particles of two distinct sizes, thereby achieving three height levels: the lowest level being the substrate, a middle level for the smaller objects and high level for the large objects (col. 2, lines 18-25 and Example 1, which uses 7 nm and 45 nm irregularities, col. 4, lines 56-59 and col. 5, lines 6-8). The Examiner agreed that there appears to be a difference in view of Figures 1 to 3 and the Examples at page 11 of the specification. As discussed, the claims have now been amended to claim that the relief consists of two levels, the low surface level and the high surface level.